



DVM-120

observation system

USER MANUAL

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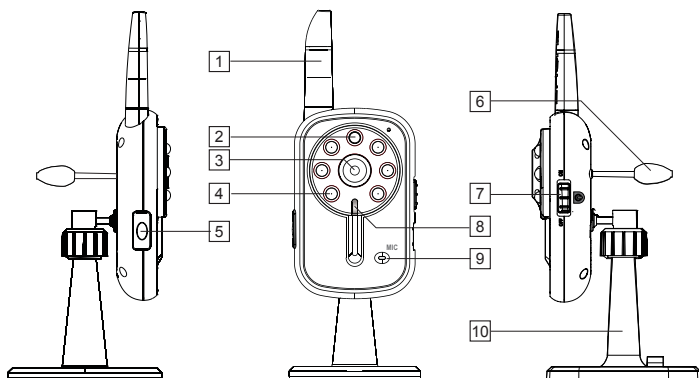
1 INTRODUCTION

The Alecto DVM-120 is a wireless audio/video observation system, for indoor use.

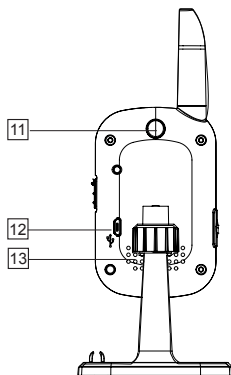
Either you can watch and listen to your baby continuously or you can choose to have the babymonitor been switched on when your baby starts to cry.

2 FUNCTIONLIST

2.1 BABY-UNIT:

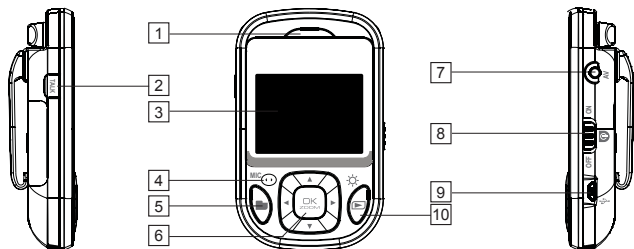


1. antenna
2. light sensor, switches the infrared lighting on at dusk
3. camera lens
4. Infrared LED's (for night view)
5. registration button (to register the baby unit to other parent units)
6. temperature sensor
7. on/off switch
8. controll light:
 - constantly lit when there is an active connection to the parent unit
 - flashes when there is no active connection to the parent unit
9. built-in microphone
10. stand, to place the baby unit on a flat surface or to hang on the wall



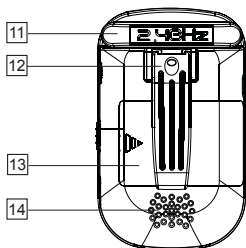
11. night lamp
12. connection for the power adapter
13. built-in speaker


2.2 PARENT-UNIT:



1. indicators:

- green light:
constantly lit when there is an active connection to the parent unit
flashes when there is no active connection to the parent unit
- red light:
when the parent unit is switched on and the battery is charging, the light will be turned on, once the battery is fully charged, then the light goes out
when the parent unit is switched off and the adapter is being connected, then the light is constantly lit (doesn't go out, when battery is fully charged)



2. button TALK, talkback button to the baby unit
3. screen
4. built-in microphone
5. menu-pushbutton ()
6. OK button and buttons ▲, ▼, ► and ◀: various functions, see these instructions
7. audio/video output
8. on/off switch
9. connection power adapter
10. push briefly to switch off the screen, push long to switch on the night lamp
11. antenna
12. belt clip
13. battery compartment
14. built-in speaker

3 INSTALL

3.1 BABY UNIT: (CAMERA)



The baby parent unit is not waterproof and therefore only suitable for indoor use.

Power adapter:

1. Connect one of the supplied power adapters with de connector xx on the back of the baby unit.
2. Insert the adapter into a 230V outlet.

Only use the supplied power adapter with modelnumber TGE050P055.

Make sure the baby can not touch the baby unit or the cord. Place the baby unit at least 2 meters away from the baby and bundle long wires with tape or with purpose-available wire ties.

Tabletop or wall model:

You can use the baby unit loose on a table, closet or office setting or hang on the wall.

For wall mounting:

Drill next to each other and with a mutual distance of 3.3 cm, two holes in the wall and insert plug and screw. Let the head of the screw protruding a few millimeters. Hang the baby unit by sliding the notches into the camera standard on the screws in the wall and by pushing the baby unit slightly downwards. Finish finally the adapter cord neatly with cable brackets.

Placing advice:

- In case of use as a baby monitor place the baby unit on a minimum distance of 2 meters away from your baby and make sure the adapter
- cable is safely tucked away.
- For an optimal range, it is preferred to set up the baby unit as high as possible, free from large metal surfaces.

3.2 PARENT UNIT:

The parent unit is not waterproof and therefore only suitable for indoor use.

Power:


The parent unit can be powered directly from the supplied rechargeable battery or the included power adapter. Once you connect the power adapter, the battery is charging, so the parent unit can be used mobile.

Battery:

1. Open the battery compartment by sliding the battery cover off the back of the parent unit.
2. Place the battery.

3. Slide the battery cover back on the parent unit.
Don't force placing the battery.
Only use the supplied rechargeable Li-ion battery (3.7V, 800mAh).

Power adapter:

1. Connect the other power supply adapter with the connector  on the side of the parent unit.
 2. Connect the adapter to a 230V outlet.
- Only use the supplied power adapter with model number TGE050P055.
Make sure the power cable can not lead to stumble or fall. Bundle too long wires with tape or with specially for this purpose designed and available wire ties.

Charge:

Once you have connected the parent unit to the power adapter and the adapter is connected to a 230V wall outlet, the battery is charging.

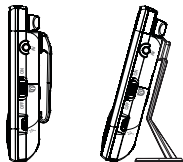
- Charge for the first time use the battery for at least 15 hours, even though there is an indication that the battery is fully charged.
- The charging circuit for the battery is controlled electronically, there is no danger of overcharging, so you can leave the adapter plugged in continuously.
- In case you are not using the set for a long period of time (> 2 months), it is advisable to take the adapter from the wall outlet and remove the battery from the parent unit. When resuming operation, first properly recharge the battery.

Audio/Video connection:

Use this connection to display the image on a (big screen) TV to view or record.
Note that if you insert a 3.5mm plug here, the own screen of the parent unit is being switched off.

Belt clip and desktop stand:

Optionally, you can slide the belt clip on the back of the parent unit to carry the parent unit with you, or you can use the table stand to place the parent unit on a table or desk.



4 USE

4.1 SWITCH ON / OFF:

Baby unit:

- Slide on the right side of the baby unit the switch to ON to switch on the baby unit.
- Slide this switch to OFF to switch off the baby unit.

Parent unit:

- Slide on the right side of the parent unit the switch to ON to turn on the parent unit.
- Slide this switch to OFF to switch off the baby unit.

4.2 PARENT UNIT:

Reception volume:

- Press repeatedly ▲ button to increase the receiver volume.
- Press repeatedly ▼ button to decrease the receiver volume.
- Press ■ button to capture the selection.

You can choose from five volume levels and volume off.

In the display, while setting, the level is shown.

Brightness:

- Press repeatedly ► button to increase the brightness.
- Press repeatedly ◀ button to decrease the brightness.
- Press ■ button to record your selection.

You can choose from five brightness levels.

In the display, while setting, the level is shown.

Zoom: (get closer)

- Press ZOOM button to zoom in the image.
- Now use the buttons ▲, ▼, ► and ◀ to look up, down, left or right.
- Push ■ button for normal image.

Talk back:



- Press TALK to talk back to the baby unit. (hold down the button while speaking)

Display on/off:


- Press ► button to turn off the image. (the sound remains)
- Press ► button again to switch on the image again.

This function is apart from the function which automatically switches off video and audio when the baby sleeps. Please see later in this manual.

Night light on/off:


- Hold  button for over a second to turn on the night light on the baby unit.
- Again hold  button for over a second to turn off the night light.

4.3 MENU DRIVEN FUNCTIONS & SETTINGS:

Press the parent unit on  button to open the menu. At the bottom of the display the following icons appear. Select with the buttons ◀ and ▶ the desired function.




volume of the talk back function of the baby unit:

1. push, after selecting the adjacent icon, the OK button to select this function
2. set with buttons ▲ and ▼ the desired volume
3. push  button 2x to capture the setting and exit the menu




contrast:

1. push, after selecting the adjacent icon, the OK button to select this function
2. set with buttons ▲ and ▼ the desired contrast
3. push  button 2x to capture the setting and exit the menu




time:

1. push, after selecting the adjacent icon, the OK button to select this function
2. set with buttons ▲ and ▼ the hours
3. select with buttons ◀ and ▶ the minutes
4. set with buttons ▲ and ▼ the minutes
5. push  button 2x to capture the time and exit the menu



(wake-up) alarm:

1. push, after selecting the adjacent icon, the OK button to select this function
2. switch with buttons ◀ and ▶ to the ON function or OFF function
3. select with buttons ▲ and ▼ the alarm time and push OK
4. set with buttons ▲ and ▼ the hours
5. select with buttons ◀ and ▶ the minutes
6. set with buttons ▲ and ▼ the minutes
7. push  button 3x to set the alarm time and exit the menu

An alarm sounds for 60 seconds max or push the OK button to turn off prematurely.

The alarm is repeated daily until you disable it via the menu (see Instruction 2 above).



Feeding timer:

1. push, after selecting the adjacent icon, the OK button to select this function
2. switch with buttons ◀ and ▶ to the ON function or OFF function
3. use the buttons ▲ and ▼ to select interval times (minimum 30 minutes, maximum 8 hours, 30 minutes adjustable) and press OK
4. push ■ button 2x to capture the power timer and exit the menu

The power timer sounds for 60 seconds max or push the OK button to turn off prematurely.

After the interval time set by instruction 3, the signal sounds again and this is repeated until you disable it via the menu (see instruction 2 above).







Lullabies:

1. push, after selecting the adjacent icon, the OK button to select this function
2. scroll buttons ▲ and ▼ to the songs 1/5, and then use the keypad ◀ and ▶ to select per song or it should be played (a V appears behind this song) or that this song should be skipped (an X appears now after this song)
3. then scroll buttons ▲ and ▼ to 'D' and then scroll ◀ and ▶ to "xx" and select ▶ to start playing or 'D' to stop playing

Note: the lullabies sound CONTINUOUSLY until the moment you turn it off according to the above instruction.



Automatically switch off video + sound when the baby sleeps: (VOX)

1. push, after selecting the adjacent icon, the OK button to select this function
2. set with buttons ▲ and ▼ the sensitivity
 -  = VOX switched off, the baby monitor continuously displays the image and sound of the baby
 -  = low sensitivity, the baby should cry loudly before baby monitor switches on
 -  = average sensitivity, the baby monitor switches on when the baby cries
 -  = high sensitivity, the baby monitor already turns on when the baby weeps softly
3. push ■ button 2x to capture the sensitivity and exit the menu

Push ▲ button to switch on the video and audio manually.



Display temperature in °C or in °F:

1. push, after selecting the adjacent icon, the OK button to select this function
2. set with buttons ▲ and ▼ the desired display
3. press ■ button 2x to capture the setting and exit the menu

The DVM-120 only displays the temperature of the room where the baby unit is placed; you can not set alarm in here.

Note that the temperature is displayed only indicative, you must consider a possible deviation of + or - 2 degrees.



Multicamera:

1. push, after selecting the adjacent icon, the OK button to select this function
 2. scroll buttons ▲ and ▼ to the desired camera to see the picture from there (an asterisk behind the camera number indicates that this camera is registered), or scroll ↻ to view all registered cameras in sequence.
 3. push ■ button 2x to capture the sensitivity and exit the menu
- Please note that with choice ↻ every 15 seconds will be switched to the next camera; there will NOT be automatically switched to a camera where sound is detected.

If there is no connection to the camera when it is switched to that camera (out of range or the camera is off), the parent unit displays a black screen during this period. Instructions to register expansion cameras to the monitor are described in Chapter 5.

4.4 AUTOMATIC NIGHTVIEW:

There are 6 infrared LEDs built in the baby unit; these LEDs are switched on automatically when it's getting dark at the baby unit and switched off when it is getting light again. These LEDs can illuminate objects to a distance of about 2 meters. Note that in the dark, so when the night vision LEDs are turned on, the image black / white is displayed on the parent unit.



Caution: Infrared light can not be perceived by the human eye; so you can not see with the naked eye that these LEDs are activated. Depending on the type of infrared LED is a visible red glow, however, possible.

5 SYSTEM EXPANSION

5.1 GENERAL:

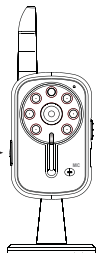
The DVM-120 parent unit can log up to 4 cameras max. From the menu of the parent unit you can select the desired camera or you can display successively the images of all registered cameras (scan function).

Expansion cameras are available through the Alecto service department on telephone 073 6411 355 (NL) , 03 238 5666 (B) or via www.alecto.nl

5.2 REGISTER ADDITIONAL CAMERAS:

1. connect the adapter to the new baby unit, put this adapter into a 230V wall outlet and turn on the camera
2. push on the parent unit ▲ button and keep it pressed until after about one second xx1 xx2 xx3 xx4 lights; behind the camera numbers that are already in use is shown an asterisk (*)
3. scroll buttons ◀ and ▶ to a free camera-space
4. push the OK button, the green light above the screen of the parent unit flashes
5. now push and hold the registration button on the new camera until after about a second the image of the camera is displayed on the parent unit, the camera is now registered

press to register →



6 TIPS AND WARNINGS

6.1 GENERAL:

- Read the manual carefully and follow all instructions.
- Never store or use the baby unit or the parent unit in damp or humid area or environment.
- Ensure good ventilation; never cover the parent unit, the baby unit and / or the power adapter (s) and never place it next to a heat source.
- Use only the supplied adapter(s); connecting a different type of adapter may cause damage to the electronics.
- Make sure the adapter cables are not damaged and prevent these cords cause stumbling or falling.
- Never disassemble the parent unit, the baby unit and / or the power adapter (s); this should be done only by qualified personnel.

6.2 INSTALLATION:

- Only connect the power adapter to the baby unit or the parent unit or disconnect when the power adapter is taken out of the wall outlet.
- Don't install the DVM-120 during an electrical storm.
- Do not touch any uninsulated adapter cables unless the adapters have been taken from the wall outlet.

6.3 RECEPTION INDICATOR / OUT OF RANGE ALERT:

- On the top left in the image of the parent unit the strength is indicated by which the signal from the baby unit is received:



: very good reception



: good reception



: moderate to good reception



: poor reception

- Once the parent unit doesn't receive a signal from the baby unit (out of range or the baby unit is switched off) '✕' (no reception) is displayed and the picture turns to black.
- Also every second sounds an alarm tone. As soon as the parent unit receives the signal again from the baby unit, the image lights again.

6.4 DELAY IN SOUND AND VISION:

- The baby unit sends the image and sound in digital blocks to the parent unit. The parent unit turns these signals into a recognizable image and an audible sound. Between the time of moving and making noise and displaying / hearing on the parent unit is therefore a slight delay.
- Also, the sound and the image on the parent unit are not exactly running in sync with each other.

6.5 POWER SUPPLY:

- Baby unit:
The baby unit draws its power only from the supplied power adapter. The baby unit has no built-in battery for portable use.
- Parent unit:
The parent unit is powered by 3.7V rechargeable lithium-ion battery; this can feed the parent unit 5 to 7 hours.

Top right of the display is shown the battery charge:



: battery is fully charged



: battery is 2/3 charged



: battery is still 1/3 charged, charging is desired



: battery is empty and the parent unit will turn off

About 5 minutes before the battery will be fully discharged, the red indicator above the display flashes. Also attention beeps sound.

Now connect the adapter immediately.

In about 6 hours the adapter has a battery recharged, whether through the parent unit is switched on or off.

6.6 INTERFERENCE-FREE:

- This image baby monitor is digitally coded. So you will never receive the signal from other equipment nor will the signal of your baby unit (s) be displayed on the parent unit of, for example, your neighbors.
- In case the baby unit (s) or parent unit is located in or in close proximity to electromagnetic fields, the signal can then (video or audio) experience some disturbance. In this case try a different location for the baby unit (s) or the parent unit or move, if possible, the source of the interference.

6.7 REACH:

- The range of the video baby monitor is up to 300 meters in the open field and up to 50 meters in house; the range depends on local
- conditions. Are the units out of range from each other the image first freezes a few seconds (no movement) followed by 'Vx' (no reception),
- the screen turns black. Also every second sounds an alarm tone.

6.8 BUGGING / TAPPING:

- The bugging / tapping of this video baby monitor is virtually impossible. Not only it is necessary to be in the range of the video baby
- monitor, one also needs expensive equipment.

6.9 MAINTENANCE:

- Clean the video baby monitor only with a damp cloth; do not use chemical cleaning products. Before cleaning, the adapters should be disconnected.

6.10 ENVIRONMENT AND DISPOSAL:

- You can hand in the packaging of this video baby monitor as wastepaper. However, we recommend to keep it so that during transport, the device can be properly packaged.
- Defect or elaborate batteries must be handed over to your local depot for chemical waste or the dedicated battery collection points. Never throw developed batteries with household waste.
- Is the video baby monitor replaced, hand it over to your supplier; they provide an environmentally friendly processing.



6.11 IN CASE OF NO PICTURE, NO SOUND:

- the parent unit and the baby unit are turned on? (connected adapter, batteries fully charged?)
- is the parent unit within the range of the baby unit?
- the baby unit is not disabled as a result of silence? (VOX)
- the volume on the parent unit is not at 0 (off)?

- Is this all okay, then take the adapters from the wall outlet, remove the rechargeable battery from the parent unit, now wait more than a minute and put everything back in place. Switch on the parent unit and the baby unit again.
- If you still have no video or sound, please contact the Alecto service department on telephone 073 6411 355 (Netherlands), 03 238 5666 (Belgium) or via internet www.alecto.nl

7 DECLARATION OF CONFORMITY:

The Alecto DVM-120 meets the essential requirements and provisions as defined by European Directive 1999/5 / EC.

The declaration of conformity is available on the website www.alecto.info.



The use is permitted in all EU countries. In France, Italy, Russia and the Ukraine's only indoor use permitted.

8 SPECIFICATIONS

Reach:	up to 50 m indoors up tot 300 meters outdoors
Power parent unit:	3.7V Lithium Ion battery (incl.) 5VDC 550mA power adapter (incl.), model: TGE050P055
Power baby unit:	5VDC 550mA power adapter (incl.), model: TGE050P055
Frequency:	2.4GHz, digital frequency hopping (FHSS) 63 channels
Display	2.4" TFT LCD display 320*240 pixels
Battery charging time parent unit:	~ 6 uur *
Battery life parent unit:	5~7 uur *

**: These times are approximate and depend on usage and settings and the condition of the battery.*

9 WARRANTY

Alecto DVM-120 is guaranteed for 24 months from date of purchase. We guarantee during this period the free repair of defects caused by material and manufacturing defects. All this at the final judgment of the importer.

HOW TO ACT: if you notice a defect, consult the manual first. If this manual gives you no definite answer, consult the supplier of the video baby monitor or the Alecto service department via www.alecto.info.

THE GUARANTEE EXPIRES: Improper use, faulty connections, leaking and / or incorrectly installed batteries, use of unoriginal parts or accessories, negligence and defects caused by moisture, fire, flood, lightning and natural disasters.

With unqualified modifications and / or repairs by third parties. By incorrect transport of the device without a suitable packing and if the device is not accompanied by this warranty card and the purchase ticket.

Cords, plugs and batteries are not covered by the warranty. Any further liability, especially for any consequential damages, are excluded..

Alecto®

Service



Help



WWW.ALECTO.NL
SERVICE@ALECTO.NL

NL 073 6411 355

(Lokaal tarief)



BE 03 238 5666

(Lokaal tarief)

(Tarif local)

DE 0180 503 0085

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CE